

**Amendments to the Abstract**

Please **amend** the Abstract to read.

-- The present invention relates to an arrangement for adaptive bit recovery, and to an apparatus for reading from and/or writing to recording media using such arrangement..According to the invention, an arrangement for adaptive bit recovery including an adaptive equalizer (~~13~~)--and an adaptive partial response maximum likelihood detector (~~14~~)--further includes an overflow control block (~~86~~)--for the adaptive equalizer (~~13~~)--for monitoring one or more of the adaptation coefficients and/or a state violation checker (~~162~~)--for monitoring the allowed states and indicating state violations as well as and a noise detector (~~155~~)--for detecting larger deviations of the target values.--